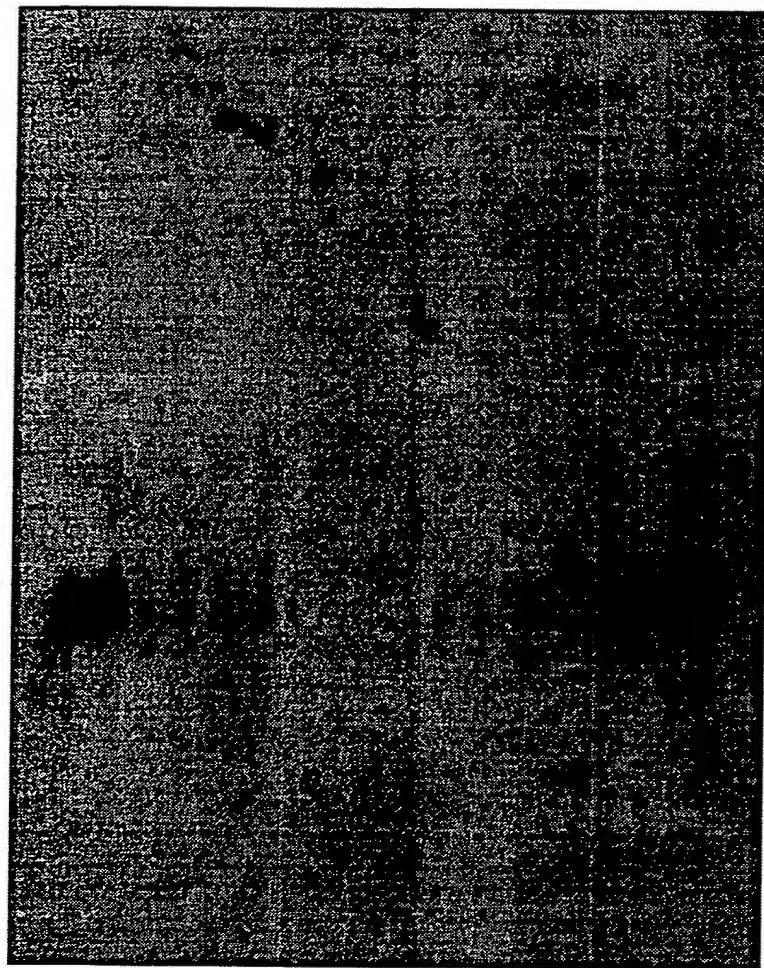


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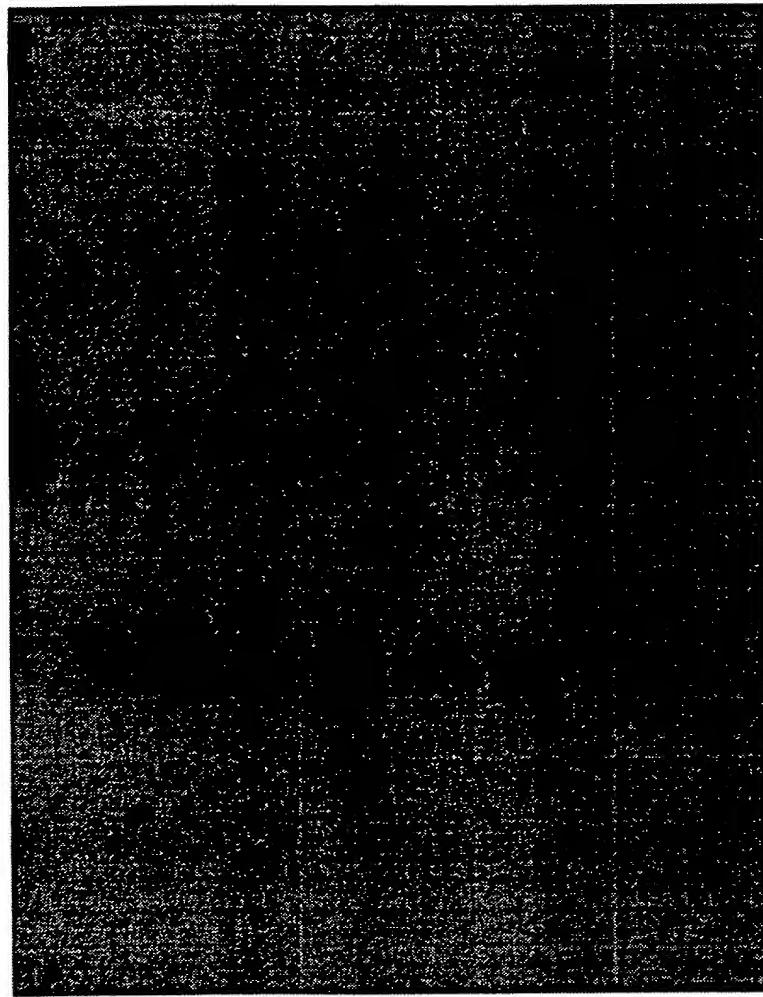
- 28S

- 18S

Fig. 1A

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- 28S

- 18S

Fig. 1B

1 CTGGCTGCTGTGGAGTTGTGACATACTAGGTGACACCCCTGGAGTCACTTC
 53 TCTTCAACTCCAGCTTAGAAGTGCGCTGGCTCAGGGTCTGCAGCCTACTCCT
 113 TGCTTCAGGGCCTGACTGCAACGCCAAAGCCTATCCTATAGCGGCAGCGCAGGCCAC
 173 TCAAACCAGCCACAGCTCCCCGGCAACCGAACCATGAACACCGAAATGTATCAGACCCCC
MetAsnThrGluMetTyrGlnThrPro

 233 ATGGAGGTGGCGGTCTATCAGCTGCACAATTCTCCACCTCCTTCTTCTGCTT
MetGluValAlaValTyrGlnLeuHisAsnPheSerThrSerPhePheSerSerLeuLeu

 293 GGAGGGGATGTGGTTCCGTTAAACTGGATAACAGTGCCTCCGGAGCCAGTGTGGTGGCC
GlyGlyAspValValSerValLysLeuAspAsnSerAlaSerGlyAlaSerValValAla

 353 CTAGACAAACAAGATTGAGCAGGCCATGGACCTCGTGAAGAACCACTGATGTACGCTGTG
LeuAspAsnLysIleGluGlnAlaMetAspLeuValLysAsnHisLeuMetTyrAlaVal

 413 AGAGAGGGAGGTGGAGGTCTAAAGGAGCAGATTGAGCTGCTTGAGAACAACTCCCAG
ArgGluGluValGluValLeuLysGluGlnIleArgGluLeuLeuGluLysAsnSerGln

 473 CTGGAGCCGAGAACACCCCTCTGAAGACGCTGGCAAGCCCCGAGCAACTGGAAAAGTTC
LeuGluArgGluLeuThrLeuLeuLysThrLeuAlaSerProGluGlnLeuGluLysPhe

 533 CAGTCCCGCTGAGCCCTGAAGAGCCAGCACCTGAAGCCCCAGAACCCCGAACCCCG
GlnSerArgLeuSerProGluGluProAlaProGluAlaProGluThrProGluThrPro

 593 GAAGCCCTGGTGGTTCTGCGGTGTAAGTGGCTCTGCCTAGGGTGGCAGAGCCACAT
GluAlaProGlyGlySerAlaVal *

 653 CTTGTTCTACCTAGTTCTTCCAGTTGTTGGCTCCCCAAGGGTCATCTCATGTGGA
 713 GAACTTACACCTAACATAGCTGGTCCAAGAGATGTCCCAAGGACATGCCCATCTGGGT
 773 CCACTCCAGTGCACAGACCCCTGACAAAGAGCAGGGTCTCTGGAGACTAAGTGCATGGGC
 833 CTAGTAACACCAAGCCAGTGAGCCTGTCACCGGGCCCTGGGGCTCCAGGGCTG
 893 GGCAACTTAGTTACAGCTGACCAAGGAGAAAGTAGTTGAGATGTGATGCCAGTGTGCT
 953 CCAGAAAGTGTAAAGGGTCTGTTTCATTTCCATGGACATCTCCACAGCTCACCTGA
 1013 CAATGACTGTTCTATGAAGAACCCACTTGTGTTCAAGCAGAACCTCTCTCTTCT
 1073 TCCTCTGTCTTCCAGGCAGGGGAGAGATGGGAGAGATTGAGCCAAATGAGCCTTCTG
 1113 TTGGTTAAACTGTATAATGCATGGCTTGTGACAGCCCAGTGTGGGGTTACAGCTTG
 1193 GGATGACTGCTTATAAAGTTCTGTTGGTTAGTATTGGCATGTTCTATATAGCCAT
 1253 AATGCGTATATACCCATAGGGCTAGATCTATATCTAGGGTAGTGTATACATATA
 1313 CACATACACCTACATGTTGAAGGGCCTAACAGCTTGGAGACTGACTGGTCTCTTAT
 1373 CTCTTAAAGCTAAGTTTGACTGTGCTAATTACCAATTGATCCAGTTGTCCCTTTAG
 1433 ATTAAATAAGACTCGATATGAGGGAGGGAGGGAAAGACCAGCCTCACATGCGGCCACAG
 1493 ATGCCTGCTGCTGAGCTCCCTGATCTGCTCACTGAAGACATGAAGTCTCTTTGA
 1553 ATGCCAAACCCACCATTCTGGTGTGACTACATAGAATGGGGTTGAGAGAACATCAGT
 1613 TTGGACTTCACATTGGTTAAAGTTTAGGTTTTGGTTTGTGTTGGGGTTTGTGTTG
 1673 TTGTTGGTTGTTGGTTGGTTGGTTCTTTTAAGTCTTGTGGGAAACTTGGG
 1733 GTTAATCAAAGGATGTAGTCCTGTGGTAGACCAGAGGAGTAACTAGTTGATCCTTGG
 1793 GGTGTGGAAAATGTACCCAGGAAGCTTGTGTAAGGAGGTCTGTGACAGTGAACACTTC
 1853 CACTTCTGACACCTCATCCTGCTGTACGACTCCAGGATTGGATTGGATTTCAAAT
 1913 GTAGCTGAAATTCAATAACTTGCTCCTTTCTAAAAAATAAAAAAAAAAAAAA

Fig. 2

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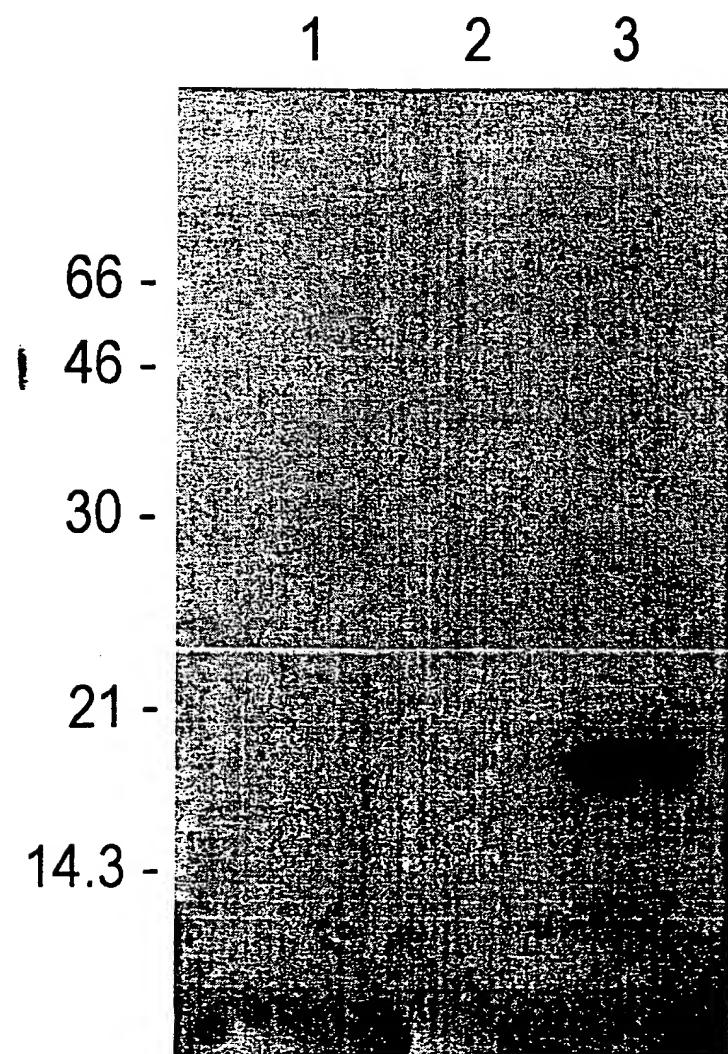


Fig. 3A

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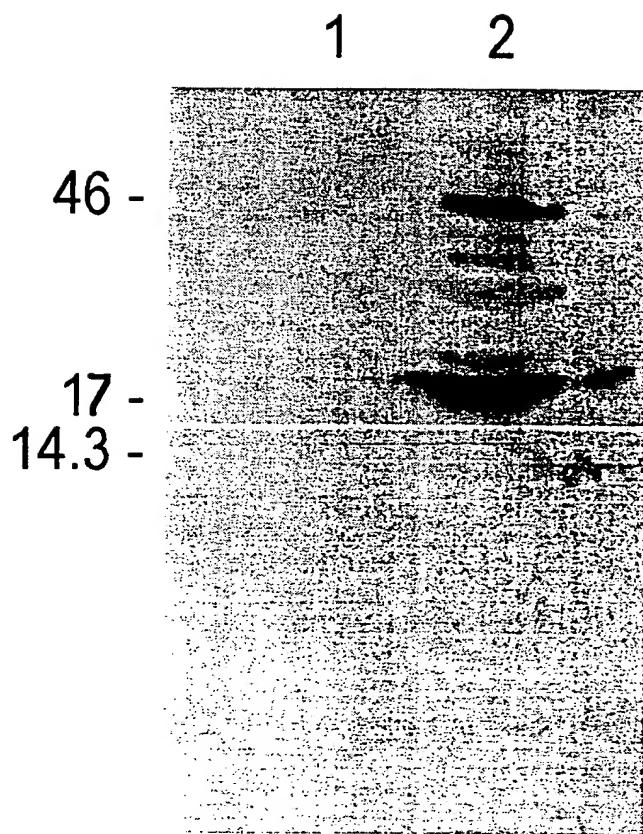


Fig. 3B

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1 2 3 4

66 -
46 -
30 -
21 -
14.3 -

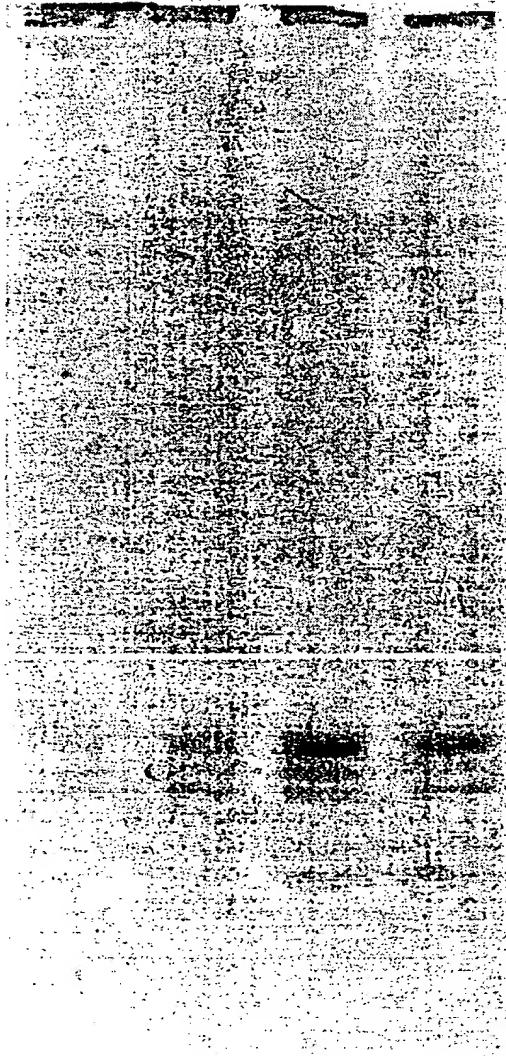


Fig. 3C

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GILR	LKEQIRE	LLEKNSQ	LERENTL	LKT LA
TSC-22	LKEQIKE	LIEKNSQ	LEQENDL	LKT LA
GCN4	LEDKVEE	LLSKNYH	LENEVARL	KKLV
CREB	LENRVAV	LENQNKT	LIEELKAL	KDLY
CREM	LENRVAV	LENQNKT	LIEELKAL	KDLY
c-jun	LEEKVKT	LKAQNSEL	LASTANML	REQV

Fig. 4

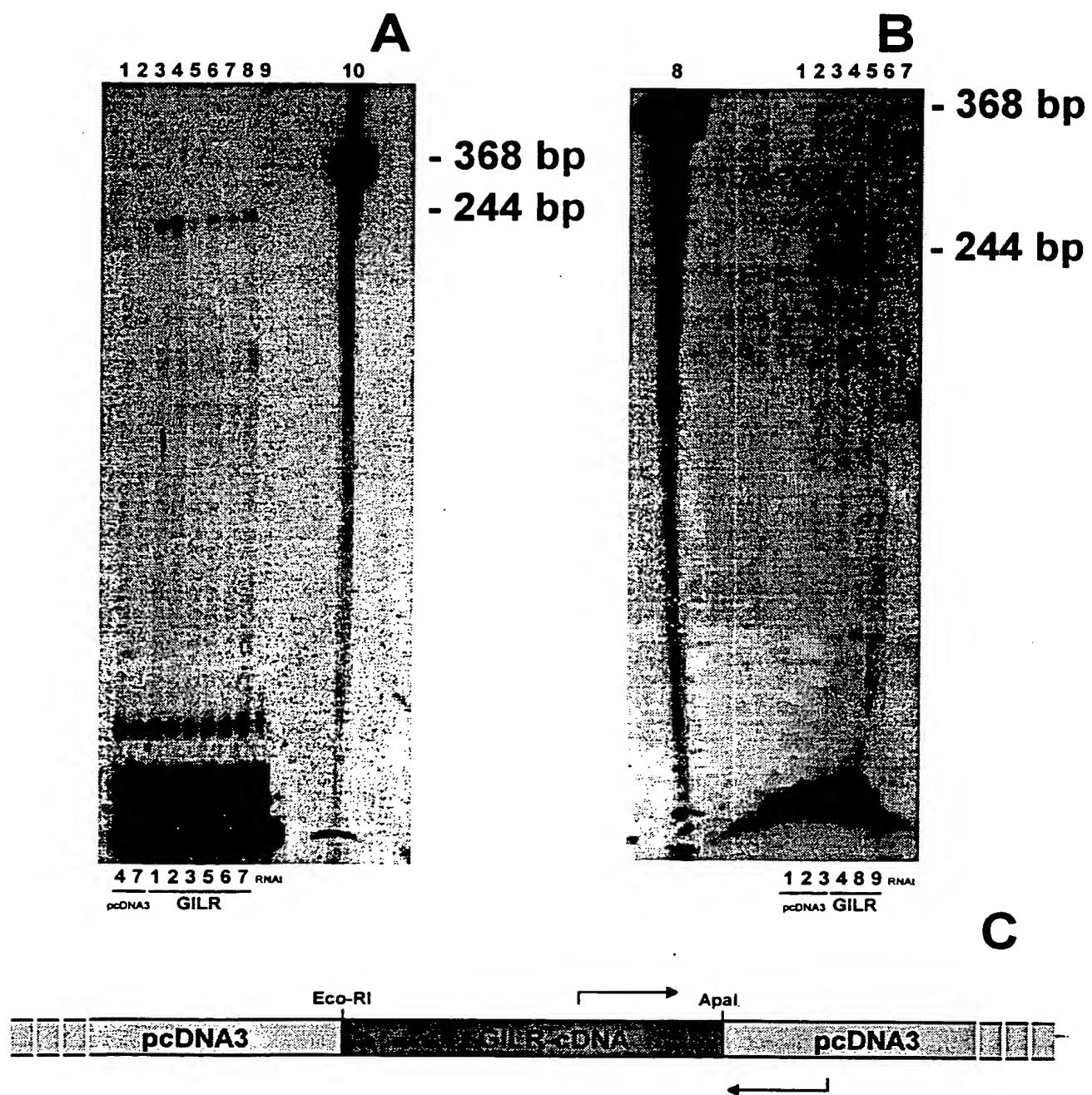


Fig. 5

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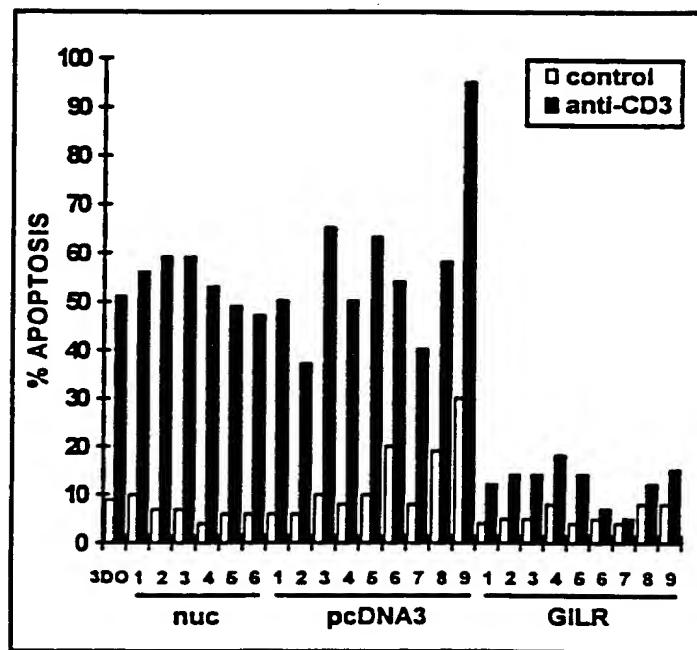


Fig. 6

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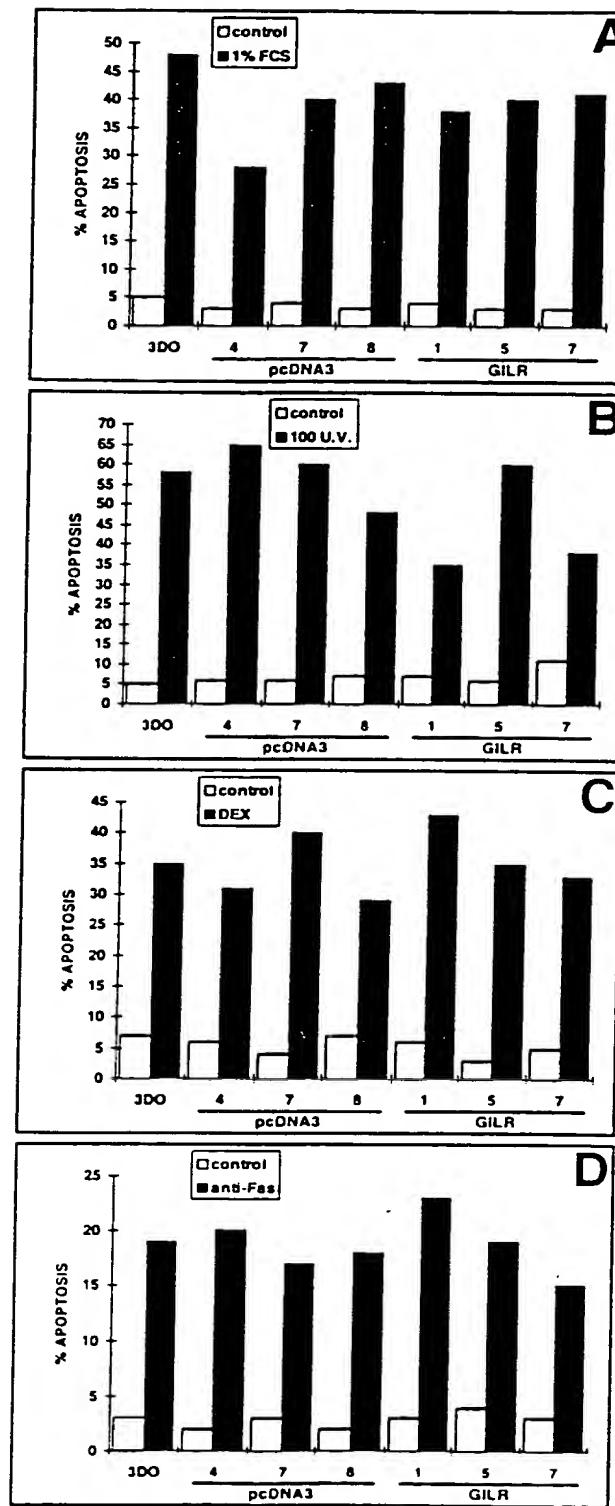


Fig. 7

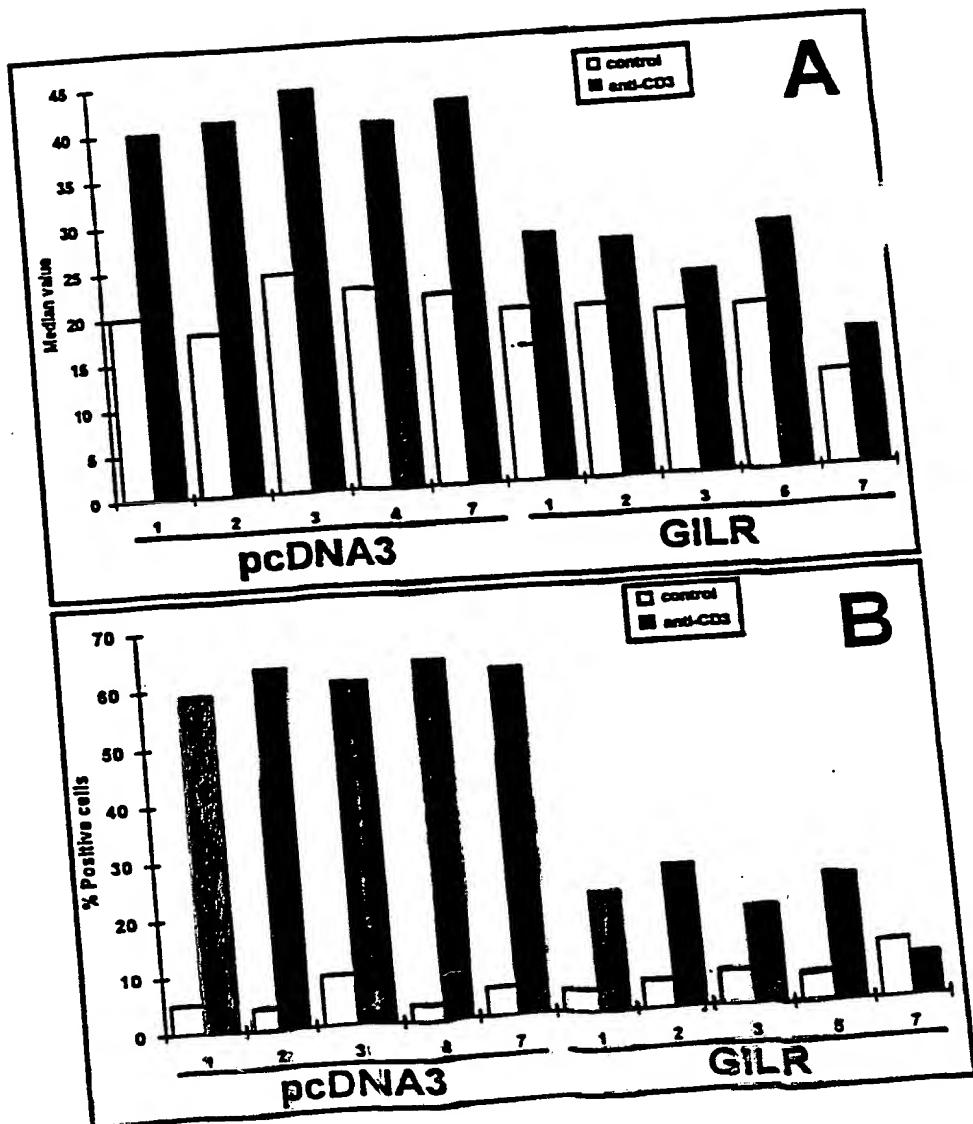


Fig. 3

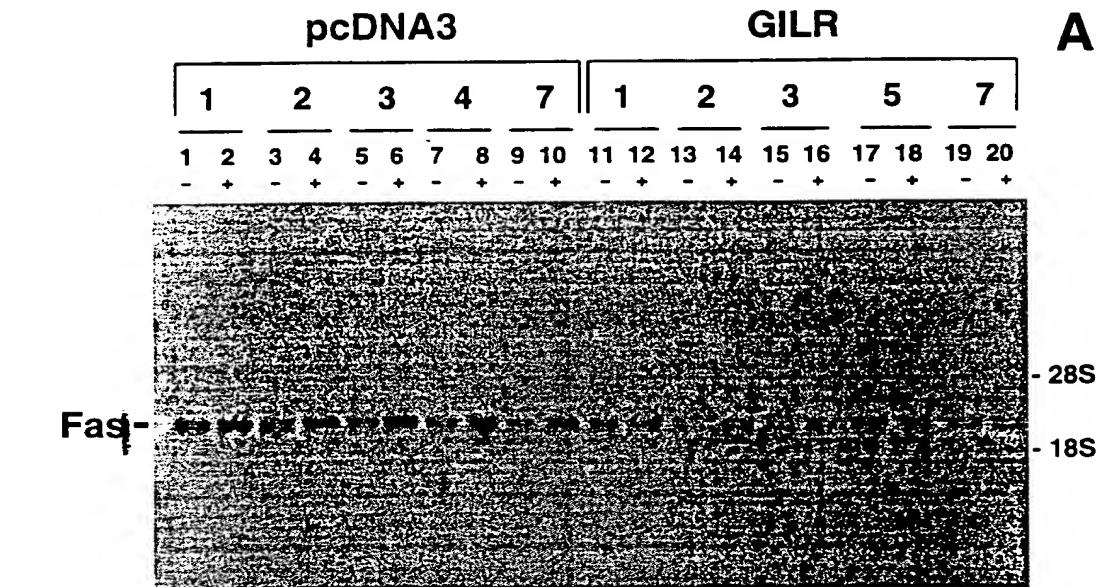
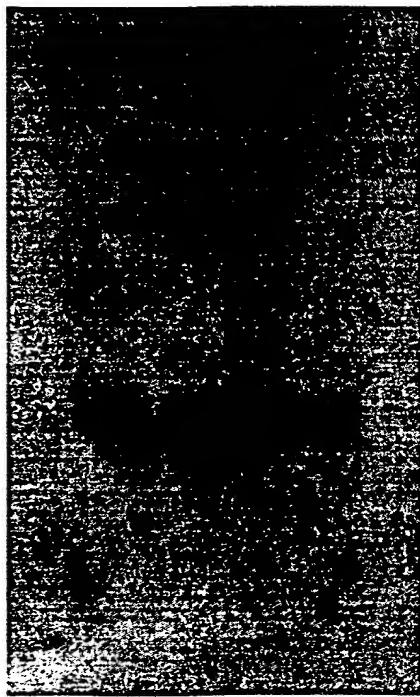


Fig. 9

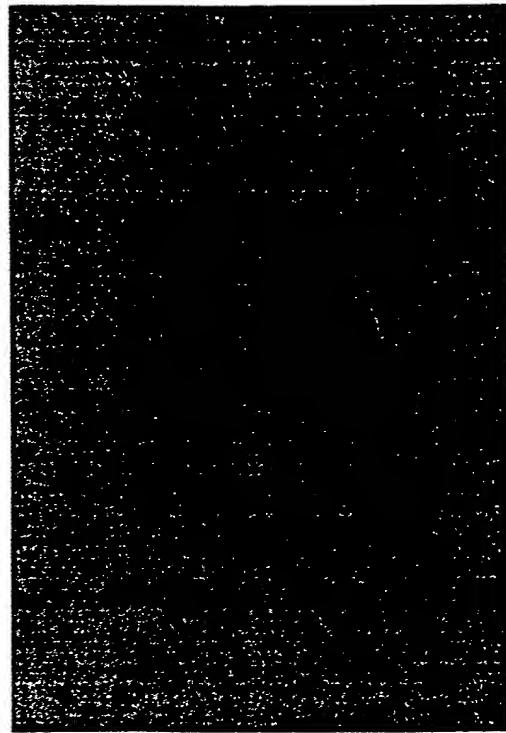
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દ્રવ્ય તુલા અને પ્રત્યક્ષીકરણ કોર્ટ 13/20

ગુજરાત રાજ્ય પાત્રપત્ર વિભાગ



A



B

Fig. 10

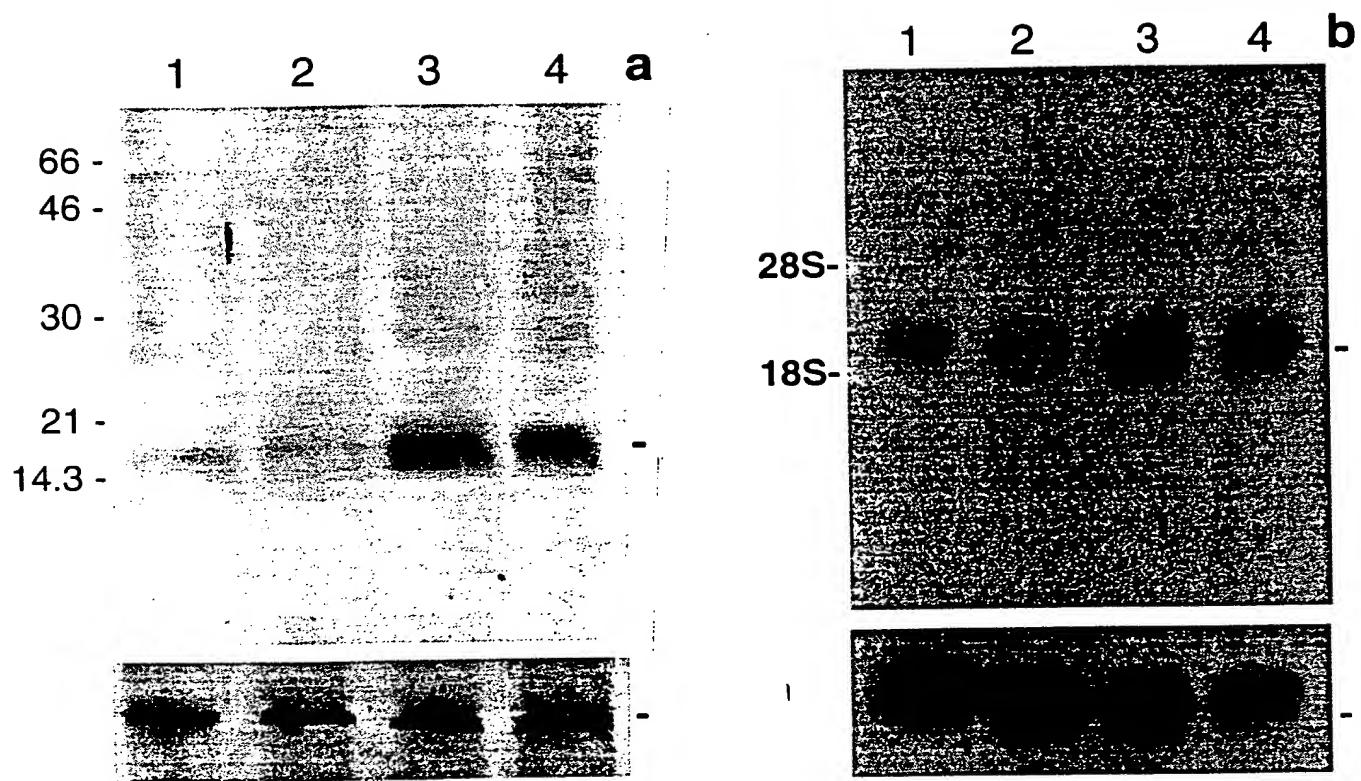


Fig. 11

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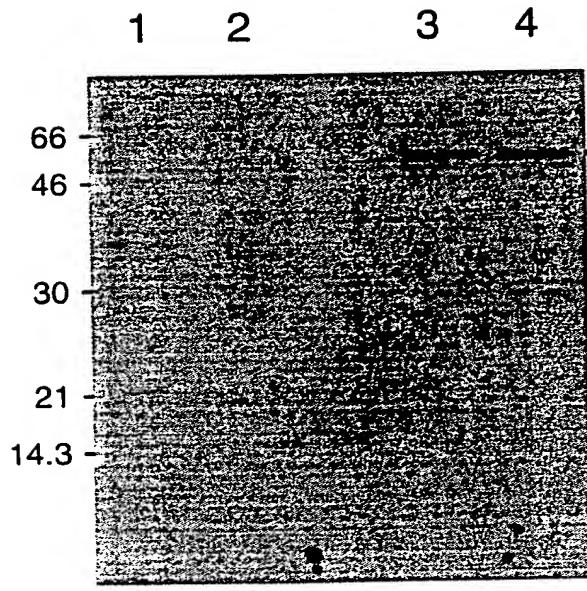
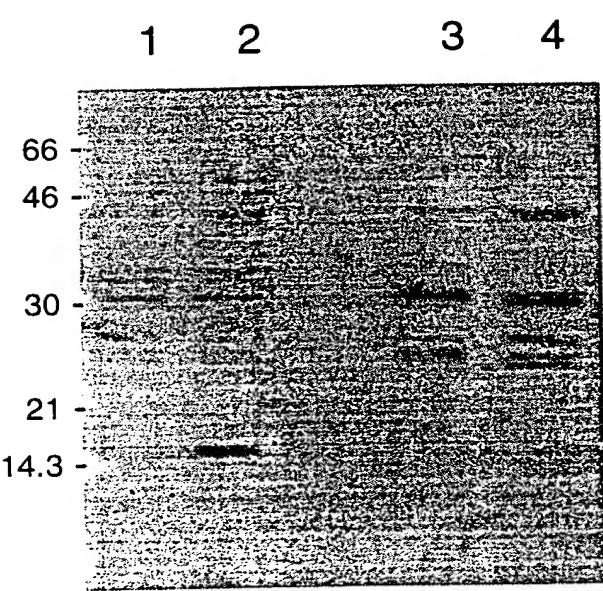


Fig. 12

1 AATTGGGGGCCGTGGAGTTGTGACATACGAGGTGACACCCCTCGAGTCACCTCCCTTC
 61 AACTCCAGCTGGAGCGCCTGTTGGCTTGGTTCTGCAGCCTCGCCCCGCTCCT
 121 AGCCTCAGGGCCGGACTCCAGCGCAGAGCCCAGCCCAGCGCAGCCTGCCAGGCCACCC
 181 AGCCGCCAGCCGCCAGCCCCCACGAAACCCGCCAGAGCTTCCTAGCAGCCCAGGCC
 241 ATGAACACCGAAATGTATCAGACCCCCATGGAGGTGGCGGTCTACCAGCTGCACAATTTC
 MetAsnThrGluMetTyrGlnThrProMetGluValAlaValTyrGlnLeuHisAsnPhe

 301 TCCATCTCCTTCTCTCTCTGTTGGAGGGATGTGGTTCCGTTAACGCTGGACAAAC
 SerIleSerPhePheSerSerLeuLeuGlyGlyAspValValSerValLysLeuAspAsn

 361 ACTGCCTCCGGAGCCAGCGTGGTGGCCATAGACAACAAAGATCGAACAGGCCATGGATCTG
 SerAlaSerGlyAlaSerValValAlaIleAspAsnLysIleAspGlnAlaMetAspLeu

 421 GTGAAGAACATCTGATGTATGCTGTGAGAGAGGGAGATCCTGAAGGAGCAGATC
 ValLysAsnHisLeuMetTyrAlaValArgGluGluValGluiLeuLysGluGlnIle

 481 CGAGAGCTGGTGGAGAAGAACCTCCAGCTAGAGCGTGAGAACACCCCTGTTGAAGGACCCCTG
 ArgGluLeuValGluLysAsnSerGlnLeuGluArgGluAsnThrLeuLeuLysThrLeu

 541 GCAACCCAGAGCAGCTGGAGAAGTTCCAGTCCTGTCTGAGCCCTGAAGAGGCCAGCTCCC
 AlaSerProGluGlnLeuGluLysPheGlnSerCysLeuSerProGluGluProAlaPro

 601 GAATCCCCACAAGTCCCCAGGCCCTGGTGGTTCTGCGGTGTAAGTGGCTCTGCCTCA
 GluSerProGlnValProGluAlaProGlyGlySerAlaVal *

 661 GGGTGGGCAGAGCCACTAAACTGTTTACCTAGTTCTTCCAGTTGGTTGGCTCCC
 721 CAAGCATCATCTCACGAGGGAGAACCTTACACCTAGCACAGCTGGTCCAAGAGATGTCCT
 781 AAGGACATGGCCACCTGGGTCCACTCCAGCGACAGACCCCTGACAAGAGCAGGTCTCTGG
 841 AGGCTGAGTTGCATGGGCCTAGTAACACCAAGCCAGTGAGCCTCTAATGCTACTGCGCC
 901 CTGGGGCTCCAGGGCTGGCAACTTAGCTGCAACTGGCAAAGGAGAAGGGTAGTTG
 961 AGGTGTGACACCAGTTGCTCCAGAAAGTTAACGGGTCTGTTCTCATCTCCATGGACA

 1021 TCTTCAACAGCTTCACCTGACAACGACTGTTCTATGAAGAACCCACTTGTGTTTAAGC
 1081 AGAGGCAACCTCTCTCTCTGTTCTGTTGCTGAAGGCAGGGACACAGATGGGAGAGAT
 1141 TGAGCCAAGTCAGCCTCTGTTGTTAATATGGTATAATGCTATGGCTTGTGCACAGCCC
 1201 AGTGTGGATTACAGCTTGGATGACCGCTTACAAAGTTCTGTTGGTTAGTATTGGCA
 1261 TAGTTTTCTATATAGCCATAATGCGTATATATACCCATAGGGCTAGATCTGTATCTTA
 1321 GTGTAGCGATGTATACATACACATCCACCTACATGTTGAAGGGCTTAACCAGCCTTGG
 1381 GAGTATTGACTGGCCCTTACCTCTTATGGCTAAGTCTTGACTGTGTTCAATTACCAAG
 1441 TTGACCCAGTTGCTTTAGTTAACGAAACTCGAGAGTAAAGCAAGGAGGGGG
 1501 CAGCCTCTGAATGGGCCACGGATGCCTGCTGCAACCCCTTCCCCAGCTGTCCACT
 1561 GAAACGTGAAGTCCTGTTGAATGCCAACCCACATTACTGGTGTGACTACATAGA
 1621 ATGGGTGAGAGAAGATCAGTTGGCTCACAGTGTCTTGAAGGCGTTTTGTT
 1681 TGTTTGAAATTATGTTGAAAACCTTCAAGTGAACAGAAGGATGGTGTCTACTGTGGAT
 1741 GAGGGATGAACAAAGGGATGGCTTGATCCAATGGAGGCCCTGGAGGTGTCCCCAGAAAGC
 1801 TTGTCTGTAGCGGGTTTGTGAGAGTGAACACTTCCACTTTGACACCTTATCCTGAT
 1861 GTATGGTCCAGGATTGGATTTGATTTCCAATGTAGCTTGAATTCATAAAACTT
 1921 TGCTCTGTTCTAAAAAATAAAAA

Fig. 13

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1 ...CTGGCTGCTGTGGAGTTGTGACATACTAGGTGACACCCCTGGAGTC 47
 || || || || || || || || || || || || || || || || || || || ||
 1 aattcgggggccgtggagttgtgacatacggaggtaaaaaaccctcgagtc 50

48 ACTTCTCTCAACTCCAGCTTAGAAGTGCCTGCCTGGCTCAGGGTCTGCA 97
 || || || || || || || || || || || || || || || || || || || ||
 51 acttccctcaactccagct..ggagcgcctgcttggcttgggttcgtt 98

98 CTGCAGCCT.....ACTCCTTGCTTCAGGGCCTGACTGCAACGCCAA 140
 || || || || || || || || || || || || || || || || || || || ||
 99 ctgcagccttcgccccgctccttagcctcaggccggactccagcgcagag 148

141 GCCTATCC.....TATAGCGGCAGCGCCA 164
 || || || || || || || || || || || || || || || || || || || ||
 149 cccagcccagcgcgcgcctgcgcgcgcgcgcgcgcgcgcgcgcgcgc 198

165 GCAGCCACTCAAACCAGCCACAGCTCCCCGGCA.ACCGAACCATGAACAC 213
 | || || || || || || || || || || || || || || || || || || || ||
 199 ccccgcacgaaaccgcgcgcgcgcgcgcgcgcgcgcgcgcgcgcgc 248

214 CGAAATGTATCAGACCCCCATGGAGGTGGCGGTCTATCAGCTGCACAATT 263
 || || || || || || || || || || || || || || || || || || || || ||
 249 cgaaatgtatcagaccccatggaggtggcggtctaccagctgcacaatt 298

264 TCTCCACCTCCTTCTTCTGCTTGGAGGGATGTGGTTCCGTT 313
 || || || || || || || || || || || || || || || || || || || || ||
 299 tctccatctccttcttcttctctgtcttgagggatgtgggttcgtt 348

314 AAACTGGATAACAGTGCCTCCGGAGCCAGTGTGGTGGCCCTAGACAAACAA 363
 || || || || || || || || || || || || || || || || || || || || ||
 349 aagctggacaacagtgcctccggagccagcgtggtgccatagacaacaa 398

364 GATTGAGCAGGCCATGGACCTCGTGAAGAACACCACCTGATGTACGCTGTGA 413
 || || || || || || || || || || || || || || || || || || || || ||
 399 gatcgaacaggccatggatctggtaagaatcatctgtatgtatgtatgt 448

414 GAGAGGAGGTGGAGGTCTAAAGGAGCAGATTGAGCTGCTTGAGAAG 463
 || || || || || || || || || || || || || || || || || || || || ||
 449 gagaggaggtggagatcctgaaggagcagatccgagagctggtgagaaag 498

464 AACTCCCAGCTGGAGCGCGAGAACACCCCTCCTGAAGACGCTGGCAAGCCC 513
 || || || || || || || || || || || || || || || || || || || || ||
 499 aactcccagctagagcgtgagaacaccctgttgaagaccctggcaagccc 548

514 CGAGCAACTGGAAAAGTTCCAGTCCCGGCTGAGCCCTGAAGAGGCCAGCAC 563
 || || || || || || || || || || || || || || || || || || || || ||
 549 agagcagctggagaagttccagtcctgtctgagccctgaagagccagctc 598

564 CTGAAGCCCCAGAAACCCCGGAAACCCCGGAAGCCCTGGTGGTTCTGCG 613
 | || || || || || || || || || || || || || || || || || || || ||
 599 ccgaatccccca.....caagtgcggaggccctggtggtctgcg 639

Fig. 14

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614 GTGTAAGTGGCTCTGCCTTAGGGTGGGCAGAGCCAC..ATCTTGTCTA 661
||||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
640 gtgtaagtggctctgcctcagggtggcagagccactaaacttgttta 689
662 CCTAGTTCTTCAGTTGGCTCCCCAAGGGTCATCTCATGTGG 711
||||||| ||||| ||||| ||||| ||||| ||||| |||||
690 cctagttcttcagttggctccccaaagcatcatctcacgagg 739
712 AGAACTTTACACCTAACATAGCTGGTGCAAGAGATGTCCAAGGACATG 761
||||||| ||||| ||||| ||||| ||||| ||||| |||||
740 agaactttacacaccttagcacagctggtgccaagagatgtcctaaggacatg 789
762 CCCATCTGGGTCCACTCCAGTGACAGACCCCTGACAAAGAGCAGGTCTCT 811
||| ||||| ||||| ||||| ||||| ||||| |||||
790 gccacacctgggtccactccagcgacagaccctgac.aagagcaggctct 838
812 GGAGACTAAGTTGCATGGGCCTAGTAACACCAAGCCAGTGAGCCTGTCG 861
||||| ||| ||||| ||||| ||||| ||||| |||||
839 ggaggctgagttgcattgggcctagtaacaccaagccagtgagcctctaa 888
862 TGTCACCAGGCCCTGGGGCTCCCAGGG.CTGGGCAACTTAGTTACAGCT 910
||| ||| ||||| ||||| ||||| ||||| ||||| |||||
889 tgctactgcgcctggggctcccaggcctggcaacttagctgcaact 938
911 GACCAAGGAGAAAGTAGTTTGAGATGTGATGCCAGTGTGCTCCAGAAAG 960
| | ||||| ||| | ||||| ||||| ||||| ||||| |||||
939 ggcaaaggagaaggtagttgaggtgtgacaccagttgctccagaaaag 988
961 TGTAAGGGGTCTGTTTCATTCCATGGACATCTCACAGCTTCACCT 1010
| | ||||| ||||| ||||| ||||| ||||| |||||
989 tttaagggtctgttctatctccatggacatcttcaacagcttcaccc 1038
1011 GACAATGACTGTTCTATGAAGAAGCCACTTGTGTTCTAAGCAGAAC 1060
||||| ||||| ||||| ||||| ||||| ||||| |||||
1039 gacaacgactgttcctatgaagaagccacttgtgttttaagcagaggcaa 1088
1061 CCTCTCTCTTCTTCAGGAGGG.CAGAGATGGGAGA 1109
||||| ||||| ||||| ||| | ||||| |||||
1089 cctctcttc.tccctgttctgtgaaggcaggacacagatggaga 1137
1110 GATTGAGCCAAATGAGCCTCTGTTGGTAATACTGTATAATGCATGGCT 1159
||||| ||||| ||| | ||||| ||||| ||||| |||||
1138 gattgagccaaagtgcgcctctgttgtaatatggtataatgcacggct 1187
1160 TTGTGCACAGCCCAGTGTGGGGTTACAGCTTGGATGACTGCTTATAAAA 1209
||||| ||||| ||||| ||||| ||||| ||||| |||||
1188 ttgtgcacagcccaagtgtggattacagcttggatgaccgcctacaaa 1237
1210 GTTCTGTTGGTAGTATTGGCATCGTTCTATATAGCCAT.AATGCG 1258
||||| ||||| ||||| ||||| ||||| |||||
1238 gttctgttggtagtattggcatagtttctatataccataatgcg 1287
1259 TATATATACCCATAGGGCTAGATCTATATCTAGGGTAGTGTATACCA 1308
||||| ||||| ||||| ||||| |||||
1288 tatataccataggcgtagatctgtatcttagttagcgtatgtataca 1337

Fig. 14 (cont)

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1309 TATACACATACACCTACATGTTGAAGGGCCTAACAGCTTGGGAGTACT 1358
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1338 tatacacatccacctacatgttgaagggcctaaccagccttgggagtatt 1387
 1359 GACTGGTCTCTTATCTCTTAAAGCTAACAGTTGACTGTGCTAATTACC 1408
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1388 gactggtcccttacctcttatggctaagtcttgactgtgttcatttacc 1437
 .
 1409 AAATTGATCCAGTTGTCCTTAGATTAAATAAG.ACTCGATATGAGGGGA 1457
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1438 aagttgacccagttgtcttttagtttaagtaagaactcgagagtaaaagg 1487
 .
 1458 GGGAGGGGAAGACCAGCCTCACAAATGC GGCCACAGATGCCTTGCTGCTGC 1507
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1488 caaggaggggggccagcctctgaatgcggcacggatgcctgctgctgc 1537
 .
 1508 AGTCC.TCCCTGATCTGTCCACTGAAGACATGAAGTCCTCTTTGAATGC 1556
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1538 aacccttccccagctgtccactgaa.acgtgaagtccctgtttgaatgc 1586
 .
 1557 CAAACCCACCATTCAATTGGTGCCTGACTACATAGAACATGGGGTTGAGAGAAG 1606
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1587 caaacccaccattcaactggtgctgactacatagaat.gggttgagagaag 1635
 .
 1607 ATCAGTTGGACTTCACATTTGTTAACAGTTTAGGTTGTTTTTTTT 1656
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1636 atcagttgggctcacagtgtcatttcaa....aaagcgttttgttt 1680
 .
 1657 GGTGGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTTCTTT 1706
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1681 tgttttgaattattgt..... 1696
 .
 1707 TTAAGTTCTGTGGGGAAACTTGGGGTTAACAAAGGATGTAGCCTGT 1756
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1697ggaaaacttcaagtgaacagaaggatgggtgcctac 1733
 .
 1757 GGTAGACCAG.....AGGAGTAACTAGTTGATCCTTGGGGTGTGGA 1800
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1734 tgtggatgagggatgaacaaggatggcttgcattccatggagcctgg 1783
 .
 1801 AAATGTACCCAGGAAGCTTGTGT.AAGGAGGTTCTGTGACAGTGAACACT 1849
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1784 aggtgtgccagaaaagcttgtctgttagcgggtttgtgagagtgaacact 1833
 .
 1850 TTCCACTTCTGACACCTCATCCTGCTGTACGACTCCAGGATTGGATT 1899
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1834 ttccacttttgcacaccttatcctgatgtatggttccaggattggattt 1883
 .
 1900 GGATTTTCAAATGTAGCTTGAAATTCAATAAAACTTGTCTCCTTTCT 1949
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1884 tgatttccaaatgttagcttgcattcaataaaacttgcattgttttc 1933
 .
 1950 AAAAATAAAAA..... 1972
 | | | | | | | | | | | | | | | | | | | | | | | | | | |
 1934 taaaaaataaaaa..... 1946

Fig. 14 (Cont.)

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mG	1	MNTEMYQTPMEAVYQLHNFSSTSFFSSLLGGDVSVKLDNSASGASVVAL	50
hG	1	MNTEMYQTPMEAVYQLHNFSISFFSSLLGGDVSVKLDNSASGASVVAI	50
=====			
hT	2	KSQWCRPVAMDLGVYQLRHFSISFLSSLLGTENASVRLDNSSSGASVVAI	51
=====			
mG	51	DNKIEQAMDLVKNHLMYAVREEEVILKEQIRELLEKNSQLERENTLLKTL	100
hG	51	DNKIEQAMDLVKNHLMYAVREEEVILKEQIRELVEKNSQLERENTLLKTL	100
=====			
hT	52	DNKIEQAMDLVKSHLMYAVREEEVILKEQIKELIEKNSOLEQENNLLKTL	101
=====			
hD	1	MDLVKNHLMYAVREEEVILKEQIRELVEKNSQLERENTLLKTL	41
=====			
mG	101	ASPEQLEKFQSRLSPEEPAPEAPETPETPEAPGGSAV*	138
hG	101	ASPEQLEKFQSCLSPEEPAPES...PQVPEAPGGSAV*	135
=====			
hT	102	ASPEQLAQFQAQLQTGSPPATTQPQGTTQPPAQPASQGSGPTA*	145
=====			
hD	42	ASPEQLEKFQSCLSPEEPAPES...PQVPEAPGGSAV*	
=====			

Fig. 15